

TUESDAY, JANUARY 4, 2005

9:00-1:00 pm Registration

Time Keeper - John Heimer

**1:00-5:00 pm PRESENTED PAPERS
MODERATOR – TO BE ANNOUNCED**

**1:00-2:00 pm KEYNOTE SPEAKER
G. Wayne Minshall, Idaho State University**
NPS Effects of Fire on Idaho Wilderness Streams:
A Long-term Perspective

**2:00-2:20 pm Richard Inouye, Idaho State
University**
Who’s Pooping in the Portneuf? Temporal and
Spatial Patterns in Abundance of E. coli

**2:20-2:40 pm Leska S. Fore, Statistical Design
and William H. Clark, Idaho Power Company**
Statistical Power Analysis of Alternative Sampling Designs
to Evaluate the Influence of Snake River Hydroelectric
Projects on Listed Snail Species

2:40-2:50 pm
Additional Questions and Discussions

2:50-3:10 pm BREAK
Sponsored by EcoAnalysts

**3:10-3:30 pm Brian Hoelscher, Idaho Power
Company and Jack Harrison, HyQual**
Macrophytes: Accounting for the Unaccounted

**3:30-3:50 pm Michael Murray, HDR
Engineering**
Phosphorus Fate, Transport and Treatment from
Individual Treatment Systems – Current State of
Knowledge and Issues Facing Idaho

**3:50-4:10 pm Sherrill Doran, CH2M Hill, Don
Essig, Idaho Department of Environmental
Quality and Robbin Finch, City of Boise**
Proposed Statewide Fish Tissue Monitoring Program for
Mercury

**4:10-4:30 pm Tim Burton and Ervin Cowley,
U. S. Bureau of Land Management**
Multiple Indicator Monitoring of Streamside
Livestock Grazing – Can we Improve Efficiency
and Assure Quality and Usefulness of the Data

4:30-4:50 pm Additional Questions and Discussions

WEDNESDAY, JANUARY 5, 2005

**8:00-11:40 am PRESENTED PAPERS
MODERATOR – TO BE ANNOUNCED**

**8:00-8:20 am David Blew, Idaho Department
of Water Resources and Dorene MacCoy, U. S.
Geological Survey**
A Historical Perspective on Parafluvial Surfaces
on the Lower Boise River

8:20-8:40 am Brad Gilmore, City of Boise
Temperature Monitoring in the Boise River Basin,
2000-2004

8:40-9:00 am Brad Gilmore, City of Boise
Modeling and Simulation of In-stream
Temperatures of the Lower Boise River

9:00-9:20 am Brad Gilmore, City of Boise
E. coli Monitoring of the Boise River Urban
Corridor, 2003-2004

9:20-9:40 am
Additional Questions and Discussions

9:40-10:00 am BREAK
Sponsored by Electronic Data Solutions

**10:00-10:20 am Dorene MacCoy, U.S.
Geological Survey**
Trends in Water Quality and Biological
Integrity of the Lower Boise River

**10:20-10:40 am Kevin Davis, U.S. Forest
Service**
Construction, Maintenance, and Monitoring
of a Geo-timbergrid Structure

**10:40-11:00 am James A. Chandler and
Phillip A. Groves, Idaho Power Company**
A Comparison of Habitat Quality Between
Historic and Contemporary Fall Chinook
Spawning Habitat in the Snake River, With
Implications About Reintroduction and Recovery

11:00-11:10
Additional Questions and Discussions

**11:10-11:30 am Brad Higginson and Lee
Leffert, U.S. Forest Service**
Water Quality Monitoring on the Caribou-
Targhee National Forest

**11:30-11:50 am Stephen R. Clayton, Philip
Williams and Associates, Ltd.**
Quantifying Physical and Biological Responses to
Stream Restoration – Examples from Red River,
Idaho

**11:50-12:10 am Stephen R. Clayton, Philip
Williams and Associates, Ltd.**
Physical Processes and Bull Trout: Prioritizing Restoration
Opportunities in Lightning Creek
Watershed, Northern Idaho

12:10-12:20 am
Additional Questions and Discussions

12:00-1:30 pm LUNCH BREAK

**1:30-5:00 pm Concurrent Training Sessions,
Idaho Department of Environmental Quality**
Bioassessment
Stressor Identification
Stream Reference – Basic
Stream Reference – Advanced
Water Quality Standards – Part 1
Water Quality Standards – Part 2

Mid-afternoon BREAK
Sponsored by HDR, Inc

THURSDAY, JANUARY 6, 2005

**8:00- 12:00 am PRESENTED PAPERS
MODERATOR – TO BE ANNOUNCED**
8:00-8:20 am Bruce Sims, U.S. Forest Service
Is 4-B Classification an Alternative to TMDLs
on USDA Forest Service Lands?

**8:20-8:40 am Randy Glover, Electronic Data
Solutions**
Optical Dissolved Oxygen Sensors-Twice the
Accuracy of an Electrochemical Clark Cell
Sensor While Calibrating Just Once per Year

**8:40-9:00 am Greg Clark, U.S.
Geological Survey**
Historical Trends in Stream Discharge
at Long-term Gaging Stations in Idaho

**9:00-9:20 am Tom Dechert, Idaho
Department of Environmental Quality**
The GIS-RUSLE Model Made Simple
for TMDLs

**9:20-9:40 am Clyde Lay, Idaho
Department of Environmental Quality**
Remote Sensing as a Tool to Predict Lake and
Reservoir Water Quality in Southern Idaho

9:40-10:00 am
Additional Questions and Discussions

10:00-10:20 am BREAK
Sponsored by CH2MHill

**10:20-10:40 am Jon Hortness, U.S.
Geological Survey**
Developing Regression Equations to Estimate
Annual Low-flow Statistics at Ungaged Sites;
Project Overview

10:40-11:00 am Sherrill Doran, CH2M Hill
Innovative In-stream Sediment BMP Technologies

**11:00-11:20 am Stacy Smith, University of
Idaho**
Idaho Rural Road Maintenance Best
Management Practices (BMP)

11:20-12 N To Be Announced

*****POSTERS*****

**Johnna Evans and Peter Koetsier,
Boise State University**
Development of Biotic Metrics to Distinguish
Between Least Impacted and Impacted Desert
Springbrooks in Southwest Idaho

Bob Kenworthy, U.S. Forest Service
Sediment Transport and Production from
Two Small Watersheds in Central Idaho

**Gary A. Lehrsch, USDA, Agricultural
Research Service**
NO₃-N and Bromide Breakthrough in a
Sprinkler-Irrigated Portneuf Silt Loam

John C. Chatel, U.S. Forest Service
Aquatic Organism Passage at Culvert
Crossings on the Sawtooth National
Forest: Challenges and Opportunities

Mary Donato, U.S. Geological Survey
Phosphorus and Suspended Load Estimates
for the Lower Boise River, Idaho 1994-2002

Chris Wilhelm, Idaho State University
Assessing Phosphorus Inputs in a Southeastern
Idaho River Through Measurements of
Macrophyte Biomass: An Ecosystem Impact
Perspective

Dorene E. MacCoy, U. S. Geological Survey
Mudsnail in Idaho Rivers

****STEERING COMMITTEE****

Gary Bahr	Scott Grunder
John Heimer	Karl Gebhardt
Tim Burton	Bruce Sims
Bill Clark	Mary Donato
William Stewart	Val Hancock
Phillip Bandy	Sharon Murray

For Workshop Information Contact:

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**15th Annual
Nonpoint Source
Water Quality Monitoring
Results Workshop**

Preliminary Schedule

**January 4-6, 2005
Boise State University
Student Union Building, Boise, ID**

Sponsored by:

Idaho Department of Environmental Quality
Idaho Department of Fish & Game
Idaho Department of Agriculture
Idaho Department of Lands
U.S. Agriculture Research Service
U.S. Bureau of Land Management
U.S. Environmental Protection Agency
U.S. Geological Survey
U.S. Forest Service
Idaho Power Company
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